

NO. HARG5 002

COMBINED DECLARATION AND POWER OF ATTORNEY FOR UTILITY PATENT APPLICATION

As a below named inventor, I hereby declare:

that my residence, post office address and citizenship are as stated below next to my name:

that I verily believe that I am the original, first and sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are named below) of the invention which is the subject of an application entitled:

A METHOD AND APPARATUS FOR THE DETECTION AND CLASSIFICATION OF SIGNALS UTILIZING KNOWN REPEATED TRAINING SEQUENCES; said invention being described and claimed [] in the attached specification [] in the specification of application Serial No. _____ filed _____; that I have reviewed and understand the content of said specification including the claims; that I do not know and do not believe the said invention was ever known or used in the United States before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to said application; that said invention was not in public use or on sale in the United States more than one year prior to said application; that said invention has not been patented or made the subject of an inventor's certificate issued before the date of said application in any country foreign to the United States on an application filed by me or my legal representatives or assigns more than twelve months prior to said application; that I acknowledge my duty to disclose information of which I am aware which is material to patentability as defined in 37 CFR 1.56; and that no application for patent or inventor's certificate on this invention has been filed in any country foreign to the United States prior to said application by me or my legal representatives or assigns, except as follows:

COUNTRY/INTERNATIONAL CLAIMED	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY UNDER 35
U.S.C. 119/365			YES___ NO
			YES___ NO

I hereby claim the benefit under 35 U.S.C. '119(e) of any United States provisional application listed below:

U.S. Provisional Application S.N. _____ filed _____.

I hereby appoint L. Lawton Rogers, III, Reg. No. 24,302; D. Joseph English, Reg. No. 42,514; Mark C. Comtois, Reg. No. 46,285; Patrick D. McPherson, Reg. No. 46,255; Harry M. Fleck, Reg. No. 24,704; Leslie J. Hart, Reg. No. 26,462; Bidyut Niyogi, Reg. No. 27,071; to prosecute said application and to transact all business in the Patent and Trademark Office connected therewith and to file, prosecute and transact all business in connection with international applications directed to said invention:

Address all correspondence to: Carter, Ledyard & Milburn
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I hereby declare that all statements made herein of my own knowledge are true and that all

10/19 '01 07:22 NO.289 05/05

statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

William Nelson Fuzman	x	William N Fuzman	10/18/01
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LIST OF ADDITIONAL INVENTORS ATTACHED

Figure 1 consists of 12 subplots (a-l) showing the time course of various physiological parameters during a 10-minute period. The parameters are: (a) HR (b/min), (b) SV (L/min), (c) CO (L/min), (d) MAP (mmHg), (e) PVR (mmHg), (f) SVR (mmHg), (g) PPA (mmHg), (h) PVP (mmHg), (i) PVP/PPA, (j) PVP/PPA, (k) PVP/PPA, and (l) PVP/PPA. Each graph shows a baseline value and a response to a stimulus, with error bars indicating standard error.